

Docket No. AUS920030949US1

CLAIMS:

What is claimed is:

1. A method for conveying caller identification information of a called party to a forward-to telephone device in a communications system, the method comprising:
 - receiving a call set up message at a first switching system servicing a called telephone device;
 - determining whether the call set up message is to be routed to a second switching system servicing a forward-to telephone device; and
 - responsive to determining the call is to be routed to a second switching system servicing the forward-to telephone device, inserting caller identification information of the called telephone device into a caller identification field of the call set up message.
2. The method of claim 1, wherein the inserting step includes:
 - inserting a telephone number of the called telephone device into a calling party name field of the call set up message.
3. The method of claim 1, wherein the inserting step includes:
 - inserting a subscriber name of the called telephone device into a calling party name field of the call set up message.

Docket No. AUS920030949US1

4. The method of claim 1, wherein the call set up message is an initial address message.
5. The method of claim 1, further including:
responsive to inserting the caller identification information into the caller identification field, communicating the call set up message to the second switching system.
6. The method of claim 5, further including:
responsive to receiving the call set up message by the second switching system, transmitting the caller identification information to the called telephone device.
7. The method of claim 1, wherein the determining step includes:
interrogating a subscription record assigned to the called telephone device.
8. A signaling system for performing call set up processing in a communication system, the signaling system comprising:
a line information database having subscriber records indicating telephone service subscription features; and
a first switching system servicing a called telephone device identified in a call set up message, wherein the switching system, responsive to interrogating the line information database, determines the call set up

Docket No. AUS920030949US1

message is to be forwarded and inserts caller identification information of the called telephone device into a caller identification field of the call set up message.

9. The signaling system of claim 8, wherein the caller identification field is a calling party name field.

10. The signaling system of claim 8, wherein the caller identification information of the called telephone device is a telephone number of the called telephone device.

11. The signaling system of claim 8, wherein the caller identification information of the called telephone device is a name of a person with which the called telephone device is registered.

12. The signaling system of claim 8, wherein the call set up message is an initial address message.

13. The signaling system of claim 8, further including:
a second switching system for receiving the call set up message, wherein the second switching system transmits the caller identification information to a forward-to telephone device.

14. The signaling system of claim 13, wherein the line information database contains a subscriber record identifying a phone number of the forward-to telephone device and indicating that the caller identification

Docket No. AUS920030949US1

information of the called telephone device is to be forwarded to the forward-to telephone device.

15. A computer program product in a computer readable medium for modifying a call set up message, the computer program product comprising:

first instructions, responsive to reading a telephone number of a called telephone device in a call set up message, for interrogating a subscriber record database and determining the call set up message is to be terminated by a forward-to telephone device, wherein the first instructions insert caller identification information of the called telephone device into a first caller identification field of the call set up message; and

second instructions for transmitting the call set up message to a switching system servicing the forward-to telephone device.

16. The computer program product of claim 15, wherein the first caller identification field is a calling party name field of the call set up message.

17. The computer program product of claim 15, wherein the caller identification information is a telephone number of the called telephone device.

18. The computer program product of claim 15, wherein the caller identification information is a name of a

Docket No. AUS920030949US1

person to which the called telephone device is registered.

19. The computer program product of claim 15, wherein the call set up message is an initial address message.

20. The computer program product of claim 15, wherein caller identification information of the calling party is included in a second caller identification field of the call set up message.

21. A method in a data processing system for providing caller identification information, the method comprising:

detecting a call originating from a calling number to a called number;

determining whether the call to the called number is to be forwarded to another number;

responsive to determining that the call to the called number is to be forwarded to the another number, including caller identification information of the called number in a call set up message; and

routing the call set up message to the another number.

22. The method of claim 21, wherein the including step includes:

including caller identification information of the calling number in the call set up message.